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## CLAIMS

1. An apparatus for containing and mixing orthopaedic cement, the apparatus containing an outer housing defining a mixing chamber and an inner housing containing the cement prior to mixing, wherein the inner housing is removable from the outer housing such that the cement remains in the mixing chamber.

2. An apparatus as claimed in claim 1 wherein the outer housing is provided with a cap and wherein the inner housing is attached to said cap such that the cap and inner housing can be removed from the outer housing together.

3. An apparatus as claimed in claim 2 wherein the cap is attached to the outer housing by means of a screw thread.

4. An apparatus as claimed in claim 2 or 3 wherein the inner housing is attached to the cap by means of a snap fit arrangement.

5. An apparatus as claimed in any preceding claim, wherein said inner housing is provided with a feather tip seal for sealing against said outer housing.

6. An apparatus as claimed in any preceding claim wherein said inner housing is less rigid than said outer housing.

7. An apparatus as claimed in any preceding claim wherein said outer housing is in the form of a cylindrical mixing chamber adapted to be provided with a mixing mechanism comprising a blade arrangement rotatable around said chamber.

8. An apparatus as claimed in any preceding claim

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wherein said outer housing is in the form of a bowl shaped mixing chamber adapted to be provided with a mixing mechanism comprising a blade arrangement rotatable around said chamber.

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9. An apparatus as claimed in any preceding claim, further comprising means allowing gas to circulate around the cement contained in the inner housing.

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10. A method of providing and mixing of orthopaedic cement comprising sealing said cement in an inner housing; disposing said inner housing within an outer housing which defines a mixing chamber; removing the inner housing, leaving the cement in the mixing chamber for mixing.

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